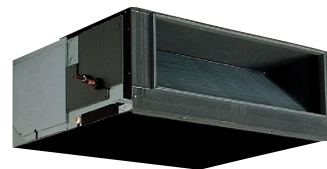


CITY MULTI PEFY-P VMH-E-F



OUTDOOR FRESH AIR DELIVERY UNIT

For feeding temperature-controlled fresh outdoor air into the building.

The ideal solution for offices, large stores and restaurants.

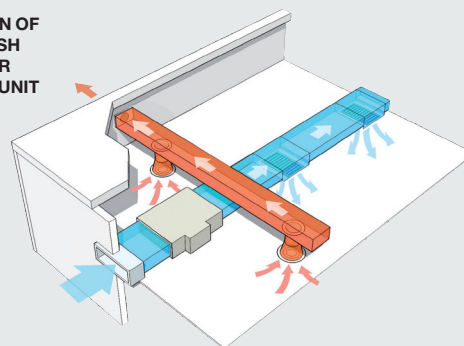


Install anywhere

The indoor purified air delivery unit may be installed anywhere. The purified air delivery unit may be used to feed fresh, purified outdoor air into any building, in any place and at any time.

**OFFICE, FOYER, LABORATORY,
REST ROOM, HEALTHCARE CLINIC,
SMOKING AREA, RESTAURANT KITCHEN**

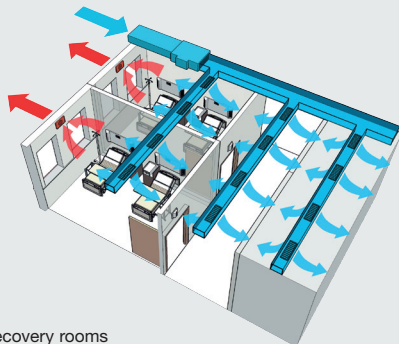
INSTALLATION OF
INDOOR FRESH
OUTDOOR AIR
TREATMENT UNIT



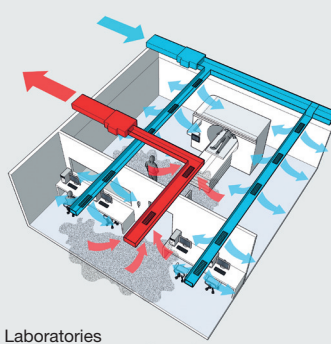
Capacity limits for connection to outdoor unit

Max. 110% of capacity of outdoor unit, except in case of heating mode at outdoor temperatures below -5°C (23°F), where a limit of 100% applies.

EXAMPLE



1. Hospital recovery rooms



2. Laboratories

Note: The fan keeps running even when the thermostat is off. We recommend using this model with other indoor unit models to prevent cold draughts of incoming outdoor air.

TECHNICAL SPECIFICATIONS

MODEL			PEFY-P80VMH-E-F	PEFY-P140VMH-E-F	PEFY-P200VMH-E-F	PEFY-P250 VMH-E-F
Power			A single-phase, 220-240V 50Hz/ A single-phase 208-230V 60Hz		3N – 380-415V 50 Hz / 3N – 380-415V 60 Hz	
Capacity in cooling mode *1		kW	9.0	16.0	22.4	28.0
		Btu/h	30,700	54,600	76,400	95,500
Capacity in cooling mode *1		kW	8.5	15.1	21.2	26.5
		Btu/h	29,000	51,500	72,300	90,400
Power consumption	Cooling mode	kW	0.16 / 0.21	0.29 / 0.33	0.34 / 0.42	0.39 / 0.50
	Cooling	kW	0.16 / 0.21	0.29 / 0.33	0.34 / 0.42	0.39 / 0.50
Current	Cooling mode	A	0.67 / 0.91	1.24 / 1.48	0.58 / 0.74	0.68 / 0.86
	Cooling	A	0.67 / 0.91	1.24 / 1.48	0.58 / 0.74	0.68 / 0.86
External finish			kg Galvanised		Galvanised	
Dimensions (HxLxW)			mm 380x1000x900		380x1200x900	
Net weight			kg 50		70	
Heat exchanger			Cross fins (aluminium fins and copper piping)		Cross fins (aluminium fins and copper piping)	
Fan	Type x Quantity		Scirocco fan x 1		Scirocco fan x 2	
	Air flow *2	m ³ /min	9.0	18.0	28	35
		l/s	150	300	467	583
		cfm	18	636	989	1236
	Static external pressure (low-medium-high)	208V Pa	35 - 85 - 170	35 - 85 - 170	-	
		220V Pa	40 - 115 - 190	50 - 115 - 190	-	
		230V Pa	50 - 130 - 210	60 - 130 - 220	-	
		240V Pa	80 - 170 - 220	100 - 170 - 240	-	
	Static external pressure	380V Pa	-	-	140 / 200	110 / 190
		400V Pa	-	-	150 / 210	120 / 200
		415V Pa	-	-	160 / 220	130 / 210
Motor	Type		Single-phase induction motor		Three-phase induction motor	
	Power output	kW	0.09 (a 220V)	0.14 (a 220V)	0.20	0.23
Air filter			Coated non-woven synthetic fibre filter (long life)		Coated non-woven synthetic fibre filter (long life)	
Refrigerant pipe diameter	Gas (swaged)	mm	ø15.88		ø19.05	ø22.2
	Liquid (swaged)	mm	ø9.52		ø9.52	
Local drain pipe diameter			O.D.32		O.D.32	
Sound pressure (low-medium-high) *2	208, 220V	dB(A)	27 - 38 - 43	28 - 38 - 43	-	
	230, 240V	dB(A)	33 - 43 - 45	34 - 43 - 45	-	
Sound pressure *2	380V	dB(A)	-	-	39 / 42	40 / 44
	400V	dB(A)	-	-	40 / 43	40 / 45
	415V	dB(A)	-	-	40 / 44	41 / 46

¹ The cooling and heating capacities indicated above are the maximum capacities measured in the air conditions described above and with a refrigerant pipe approximately 7.5 m in length.

² Actual capacity characteristics vary in relation to the combination of indoor and outdoor units used. See technical information.

- The operating noise levels indicated are the sound pressure values measured at 1.5 m from the base of the unit in an anechoic chamber. (sound pressure meter, A scale value)
- Value given is for operation with 240V 50 Hz/230V 60 Hz electrical power (PEFY-P80, type 140VMH-E-F).
- When connecting purified fresh air delivery indoor units in a system, the maximum quantity of indoor units connected to an outdoor unit varies as follows:

Heat pump models	Cooling only
110% (100% in case of heating operation at outdoor temperatures below -5°C (23°F))	110%

- Operating temperature range:
Cooling: from 21°C (70°F) DB/15.5°C (60°F) WB to 43°C (109°F) DB/35°C (95°F) WB.
Heating: from -10°C (14°F) DB to 20°C (68°F) DB.
* The fan is activated automatically with the thermostat off at temperatures below 21°C (70°F) DB in cooling mode, and at temperatures above 20°C (68°F) DB in heating mode.
- As the ambient temperature is measured by a thermostat on the remote controller or installed

inside the room, ensure that a remote controller or thermostat is used within the room itself.

- The automatic conversion and dehumidifying functions are NOT available. The unit functions in fan mode when the thermostat is off in cooling or heating mode.
- In all situations, the air flow must be kept below 110%, as shown in the table above. See "Fan curves" for more details.
- When this unit is used as the sole air conditioning system, note that condensation may form on the air outlet vent grilles of the outdoor unit when in cooling mode.
- Untreated outdoor air, which may be humid or cold, will enter the indoor space when the unit is operating with the thermostat off. Choose the location of the indoor unit air outlets carefully, taking all possible precautions to prevent the entry of cold air and to insulate the room adequately to prevent condensation.
- The air filter must be installed on the air intake side. When using a third party or existing filter, it must be installed in an easily accessible location to permit maintenance.
- The long life model cannot be used together with the high filtration efficiency filter (PEFY-P80, type 140VMH-E-F).